



# duraQuartz® POOL-MIX

## Quick Reference Guide

**PH should be between 7.2 and 7.6**

**Total Alkalinity should be between 100 and 180ppm**

**Calcium Hardness should be between 200 and 300ppm**

Duraquartz® has been specifically formulated as a durable render for use in swimming pools. To prolong the life of your new surface, it is important to maintain correct water balance. We recommend regular checks on your pool water chemistry by your local pool shop.

### Maintaining correct water balance

**PH** - Is a measure of the acidity and alkalinity of the water. If you add more acid, the PH reading will be lower. Once the PH falls to 7.0 or below, the water becomes corrosive and can damage the pool surface. Water with a PH reading above 7.8 can cause calcium precipitation and scaling. Additionally low and high PH values can cause eye and skin irritations.

**IMPORTANT:** ONLY USE HYDROCHLORIC ACID TO ADJUST THE PH. Use of Sulphuric Acid (sometimes sold as Low Fume Acid) may damage the render and VOIDS the warrantee.

**Total Alkalinity (TA)** – measures total dissolved alkaline substances in the water. The lower the TA, the more PH will fluctuate, the higher the TA, the less the PH will fluctuate.

**Calcium Hardness (CH)** – Measures dissolved Calcium in the water. It is important to keep calcium hardness in the water at appropriate levels as this will help avoid calcium scaling and render degradation.

**Week 1:** Check PH daily. Check TA at the start and end of the week. Don't worry about CH at this stage as it will be steadily increasing anyway. Brush the walls and floor of the pool daily

**Week 2:** Check PH every second day. Brush the walls and floor of the pool daily. Check TA at the end of the week. Don't worry about CH at this stage as it will be steadily increasing anyway.

**Week 3 & 4:** Check PH every 3<sup>rd</sup> or 4<sup>th</sup> day. Check TA at the end of the week. Brush the walls and floor of the pool once per week from now on.

**Week 5 on:** You can add salt at this stage if you have a salt water chlorinator. Check CH at the start of the week and adjust to 250ppm – check monthly thereafter. Test and adjust PH and TA levels weekly. Test and adjust CH levels monthly.

## Hints and tips for adding chemicals

- (1) Always dilute and/or dissolve chemicals prior to adding to the pool water. Add chemicals to water NOT water to chemicals!
- (2) Check sanitiser levels and adjust prior to balancing PH and adding acid (ie. Chlorine at night, acid in the morning). Follow the manufacturers instructions.
- (3) Spread the diluted chemicals evenly over the entire surface of the pool while the pump and filter are running (leave the filter running for at least half an hour after the chemicals are added).
- (4) The more you use the pool, the more regularly you should check the water chemistry.
- (5) Clean the walls and floor of your pool regularly using a nylon pool brush and your pool vacuum.